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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Robert W. Allington
Art Unit	
Examiner Name	
Attorney Docket Number	2-1226-065

Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US- 3,563,672	02-16-1971	Bergstrom	
	2.	US- 3,597,114	08-03-1971	Hrdina	
	3.	US- 3,787,882	01-22-1974	Fillmore	
	4.	US- 3,847,507	11-12-1974	Sakiyama	
	5.	US- 3,855,129	12-17-1974	Abrahams	
	6.	US- 3,917,531	11-04-1975	Magnussen	
	7.	US- 4,045,343	08-30-1977	Achener	
	8.	US- 4,108,574	08-22-1978	Bartley	
	9.	US- 4,131,393	12-26-1978	Magnussen	
	10	US- 4,137,011	01-30-1979	Rock	
	11	US- 4,155,683	05-22-1979	Mochizuki	
	12	US- 4,180,375	12-25-1979	Magnussen	
	13	US- 4,225,290	09-20-1980	Allington	
	14	US- 4,233,156	11-11-1980	Tsukada	
	15	US- 4,326,837	04-27-1982	Gilson	
	16	US- 4,352,636	10-05-1982	Patterson	
	17	US- 4,359,312	11-16-1982	Funke	
	18	US- 4,420,393	12-13-1983	Smith	
	19	US- 4,448,692	05-15-1984	Nakamoto	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Sheet **2** of **3****U. S. PATENT DOCUMENTS**

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		Number-Kind Code ² (if known)			
	20	US- RE 31,586	05-15-1984	Magnussen	
	21	US- RE 31,608	06-19-1984	Magnussen	
	22	US- 4,600,365	07-15-1986	Riggenmann	
	23	US- 4,820,129	04-11-1989	Magnussen	
	24	US- 4,919,595	04-24-1990	Likuski	
	25	US- 5,286,177	02-15-1994	Johann	
	26	US- 5,755,559	05-26-1998	Allington	
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		Examiner Name			
Sheet	3	of	3	Attorney Docket Number	2-1226-065

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	J.B. CASTLEDINE, A.F. FELL, R. MODIN AND B. SELLBERG, "Assessment of chromatographic peak purity by means of multi-wavelength detection and correlation-based algorithms", <i>Journal of Chromatography</i> (1992), 10 pages	
	2	M. KALJURAND E. URBAS AND U. HALDNA, "Improvement of the performance of single-column ion chromatography by computerized detector signal processing and correlation chromatography", <i>Journal of Chromatography</i> (1994), 6 pages (copy)	
	3	HUGGINS Z. MSIMANGA AND PETER E. STURROCK, "Application of Factor Analysis on High-Performance Liquid Chromatography Data Using a Swept-Potential Electrochemical Detection System", <i>American Chemical Society</i> 1990, 7 pages (copy)	
	4	J. IVASK AND M. KALJURAND, "Reduction of the detection limits of anions in polar ice core analysis using correlation ion chromatography with detector signal processing", <i>Journal of Chromatography</i> (1999), 5 sheets (copy)	
	5	RUTH KULDVEE, MIHKEL KALJURAND, HENRI C. SMIT, "Correlation and digital signal processing techniques for the reduction of detection limits of bromate and bromide in model water samples by ion chromatography with direct ultraviolet detection", <i>Journal of Chromatography</i> (1997), 11 sheets (copy)	
	6	"A multiple-input digital correlator for the weak light scattering signals of chromatographic detectors", (Rev. Sci. instrum. 65 (1), January 1994)), 2 sheets (copy)	
	7	TH. HANKEMEIR, J. ROZENBRAND, M. ABHADUR, J.J. VREULS, U.A. TH. BRINKMAN, "Data Correlation in On-Line Solid-Phase Extraction-Gas Chromatography - Atomic Emission/Mass Spectrometric Detection of Unknown Microcontaminants", (<i>Chromatographia</i> Vol. 48, No. 4, August 1998)	
	8	ROBERT EDWARD McKEAN, Ph.D., "Improving the signal-to-noise ratio by cross-correlation in flow injection analysis and high-performance liquid chromatography", dated 1990, 207 pages (copy)	

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